

## (Mouse) Nr4a2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21233c

### Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q06219</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB52431
<b>Calculated MW</b>	66593

### Additional Information

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<b>Gene ID</b>	18227
<b>Target/Specificity</b>	This mouse Nr4a2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 164-197 amino acids from the Central region of mouse Nr4a2.
<b>Dilution</b>	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	(Mouse) Nr4a2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	Nr4a2
<b>Synonyms</b>	Nurr1
<b>Function</b>	Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development (PubMed: <a href="#">19144721</a> ). It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons (PubMed: <a href="#">19144721</a> ).

**Cellular Location**

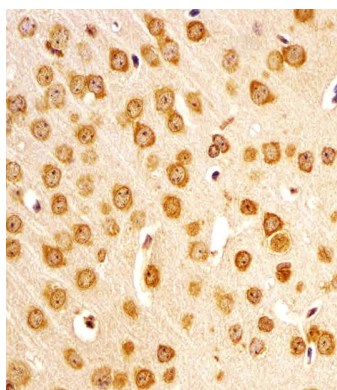
Cytoplasm {ECO:0000250|UniProtKB:P43354}. Nucleus {ECO:0000250|UniProtKB:P43354}. Note=Mostly nuclear; oxidative stress promotes cytoplasmic localization. {ECO:0000250|UniProtKB:P43354}

**Tissue Location**

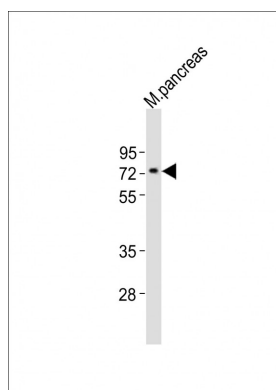
Brain.

**Images**

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AP21233c staining (Mouse) Nr4a2 in mouse brain sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Anti-Nr4a2 Antibody (Center) at 1:2000 dilution + mouse pancreas lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.